

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	ADW-010
Analyte	CAS.NO	Units								Sample ID	ADW-010-150809-11
										Date	8/9/2015
										Review Status	Preliminary
Drinking Water MCL Recreatio nal RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	60
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	1.9
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.18 J
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	9.3
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.1
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	0.99 J
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	1.3 J B
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	29
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	1.3
Barium, Total	7440-39-3	ug/L								--	70
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.19
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.42

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Copper, Total	7440-50-8	ug/L								--	Copper, Total
Lead, Total	7439-92-1	ug/L								--	Lead, Total
Manganese, Total	7439-96-5	ug/L								--	Manganese, Total
Molybdenum, Total	7439-98-7	ug/L								--	Molybdenum, Total
Nickel, Total	7440-02-0	ug/L								--	Nickel, Total
Selenium, Total	7782-49-2	ug/L								--	Selenium, Total
Silver, Total	7440-22-4	ug/L								--	Silver, Total
Thallium, Total	7440-28-0	ug/L								--	Thallium, Total
Vanadium, Total	7440-62-2	ug/L								--	Vanadium, Total
Zinc, Total	7440-66-6	ug/L								--	Zinc, Total

Bold - Bolded results identify a detected value.

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MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

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									Location	ADW-010	ADW-010
									Sample ID	ADW-010-150809-11	ADW-010-150810-11
									Date	8/9/2015	8/10/2015
CAS.NO	Units								Review Status	Preliminary	Preliminary
		Drinking Water MCL	Recreatio nal RSL	Aquatic Acute	Aquatic Chronic	Irrigation	Livestock	Agriculture			
7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U	< 0.4 U
7440-38-2	ug/L	10	2.15					100	--	< 0.37 U	< 0.37 U
7440-39-3	ug/L	2000	34900						--	60	57
7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U	< 0.15 U
7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U	< 0.043 U
7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U	< 1 U
7440-48-4	ug/L	3130	3130		50	1000			--	< 0.12 U	< 0.12 U
7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	1.9	2.3
7439-92-1	ug/L	15		130	5	5000	100	100	--	0.18 J	0.15 J
7439-96-5	ug/L		2550	3710	2050	200		200	--	9.3	16
7439-98-7	ug/L								--	1.1	1.2
7440-02-0	ug/L		7870	813	90	200	1000	200	--	0.99 J	0.97 J
7782-49-2	ug/L	50	4290	20	5	130	250	20	--	1.3 J B	< 0.58 U
7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U	< 0.1 U
7440-28-0	ug/L	2	34.3						--	< 0.1 U	< 0.1 U
7440-62-2	ug/L		712			100	100		--	< 0.3 U	< 0.3 U
7440-66-6	ug/L		292000	290	219	2000	25000		--	29	3.2 J
7440-36-0	ug/L								--	< 0.4 U	< 0.4 U
7440-38-2	ug/L								--	1.3	0.69 J
7440-39-3	ug/L								--	70	64
7440-41-7	ug/L								--	< 0.15 U	< 0.15 U
7440-43-9	ug/L								--	0.19	< 0.043 U
7440-47-3	ug/L								--	< 1 U	< 1 U
7440-48-4	ug/L								--	0.42	0.28 J

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Copper, Total	7440-50-8	ug/L								--	7440-50-8	ug/L
Lead, Total	7439-92-1	ug/L								--	7439-92-1	ug/L
Manganese, Total	7439-96-5	ug/L								--	7439-96-5	ug/L
Molybdenum, Total	7439-98-7	ug/L								--	7439-98-7	ug/L
Nickel, Total	7440-02-0	ug/L								--	7440-02-0	ug/L
Selenium, Total	7782-49-2	ug/L								--	7782-49-2	ug/L
Silver, Total	7440-22-4	ug/L								--	7440-22-4	ug/L
Thallium, Total	7440-28-0	ug/L								--	7440-28-0	ug/L
Vanadium, Total	7440-62-2	ug/L								--	7440-62-2	ug/L
Zinc, Total	7440-66-6	ug/L								--	7440-66-6	ug/L

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							Location	ADW-010	ADW-010	ADW-021
							Sample ID	ADW-010-150809-11	ADW-010-150810-11	ADW-021-150809-11
							Date	8/9/2015	8/10/2015	8/9/2015
							Review Status	Preliminary	Preliminary	Preliminary

Drinking Water MCL Recreational RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture

	129	8358	3348	5000			--	< 0.4 U	< 0.4 U	< 0.4 U
10	2.15					100	--	< 0.37 U	< 0.37 U	< 0.37 U
2000	34900						--	60	57	59
4	100	340	150	100	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U
5	65	2.88	0.72	10	50	10	--	< 0.043 U	< 0.043 U	< 0.043 U
100		972	126	100	1000	100	--	< 1 U	< 1 U	< 1 U
3130	3130		50	1000			--	< 0.12 U	< 0.12 U	< 0.12 U
1300	8580	25	16	200	500	200	--	1.9	2.3	1.8
15		130	5	5000	100	100	--	0.18 J	0.15 J	0.076 J
	2550	3710	2050	200		200	--	9.3	16	8.9
							--	1.1	1.2	1
	7870	813	90	200	1000	200	--	0.99 J	0.97 J	1.2
50	4290	20	5	130	250	20	--	1.3 J B	< 0.58 U	1 J B
	837	9.9	n/a				--	< 0.1 U	< 0.1 U	< 0.1 U
2	34.3						--	< 0.1 U	< 0.1 U	< 0.1 U
	712			100	100		--	< 0.3 U	< 0.3 U	< 0.3 U
	292000	290	219	2000	25000		--	29	3.2 J	9.1 J

							--	< 0.4 U	< 0.4 U	< 0.4 U
							--	1.3	0.69 J	1.3
							--	70	64	70
							--	< 0.15 U	< 0.15 U	< 0.15 U
							--	0.19	< 0.043 U	0.14
							--	< 1 U	< 1 U	< 1 U
							--	0.42	0.28 J	0.39 J

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Copper, Total	7440-50-8	ug/L								--		
Lead, Total	7439-92-1	ug/L								--		
Manganese, Total	7439-96-5	ug/L								--		
Molybdenum, Total	7439-98-7	ug/L								--		
Nickel, Total	7440-02-0	ug/L								--		
Selenium, Total	7782-49-2	ug/L								--		
Silver, Total	7440-22-4	ug/L								--		
Thallium, Total	7440-28-0	ug/L								--		
Vanadium, Total	7440-62-2	ug/L								--		
Zinc, Total	7440-66-6	ug/L								--		

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quivalent = ug/Kg

					Location	ADW-010	ADW-010	ADW-021	ADW-021
					Sample ID	ADW-010-150809-11	ADW-010-150810-11	ADW-021-150809-11	ADW-021-150810-11
					Date	8/9/2015	8/10/2015	8/9/2015	8/10/2015
					Review Status	Preliminary	Preliminary	Preliminary	Preliminary

Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture

8358	3348	5000			--	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
				100	--	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U
					--	60	57	59	57
340	150	100	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
2.88	0.72	10	50	10	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
972	126	100	1000	100	--	< 1 U	< 1 U	< 1 U	< 1 U
	50	1000			--	< 0.12 U	< 0.12 U	< 0.12 U	0.13 J
25	16	200	500	200	--	1.9	2.3	1.8	3.4
130	5	5000	100	100	--	0.18 J	0.15 J	0.076 J	0.12 J
3710	2050	200		200	--	9.3	16	8.9	13
					--	1.1	1.2	1	1.1
813	90	200	1000	200	--	0.99 J	0.97 J	1.2	2.9
20	5	130	250	20	--	1.3 J B	< 0.58 U	1 J B	< 0.58 U
9.9	n/a				--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
					--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
		100	100		--	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U
290	219	2000	25000		--	29	3.2 J	9.1 J	3.3 J

					--	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
					--	1.3	0.69 J	1.3	0.81 J
					--	70	64	70	65
					--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
					--	0.19	< 0.043 U	0.14	0.078 J
					--	< 1 U	< 1 U	< 1 U	< 1 U
					--	0.42	0.28 J	0.39 J	0.26 J

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Copper, Total	7440-50-8	ug/L								--		
Lead, Total	7439-92-1	ug/L								--		
Manganese, Total	7439-96-5	ug/L								--		
Molybdenum, Total	7439-98-7	ug/L								--		
Nickel, Total	7440-02-0	ug/L								--		
Selenium, Total	7782-49-2	ug/L								--		
Silver, Total	7440-22-4	ug/L								--		
Thallium, Total	7440-28-0	ug/L								--		
Vanadium, Total	7440-62-2	ug/L								--		
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			Location	ADW-010	ADW-010	ADW-021	ADW-021
			Sample ID	ADW-010-150809-11	ADW-010-150810-11	ADW-021-150809-11	ADW-021-150810-11
			Date	8/9/2015	8/10/2015	8/9/2015	8/10/2015
			Review Status	Preliminary	Preliminary	Preliminary	Preliminary

Irrigation Livestock Agriculture

5000			--	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
		100	--	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U
			--	60	57	59	57
100	100	100	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
10	50	10	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
100	1000	100	--	< 1 U	< 1 U	< 1 U	< 1 U
1000			--	< 0.12 U	< 0.12 U	< 0.12 U	0.13 J
200	500	200	--	1.9	2.3	1.8	3.4
5000	100	100	--	0.18 J	0.15 J	0.076 J	0.12 J
200		200	--	9.3	16	8.9	13
			--	1.1	1.2	1	1.1
200	1000	200	--	0.99 J	0.97 J	1.2	2.9
130	250	20	--	1.3 J B	< 0.58 U	1 J B	< 0.58 U
			--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
			--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
100	100		--	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U
2000	25000		--	29	3.2 J	9.1 J	3.3 J

			--	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
			--	1.3	0.69 J	1.3	0.81 J
			--	70	64	70	65
			--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
			--	0.19	< 0.043 U	0.14	0.078 J
			--	< 1 U	< 1 U	< 1 U	< 1 U
			--	0.42	0.28 J	0.39 J	0.26 J

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Lead, Total	7439-92-1	ug/L								--		
Manganese, Total	7439-96-5	ug/L								--		
Molybdenum, Total	7439-98-7	ug/L								--		
Nickel, Total	7440-02-0	ug/L								--		
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 Surfacewater Analytical Data - Region 6
 Upper Animas River

	Location	ADW-010	ADW-010	ADW-021	ADW-021	ADW-021
	Sample ID	ADW-010-150809-11	ADW-010-150810-11	ADW-021-150809-11	ADW-021-150810-11	ADW-021-150810-12
	Date	8/9/2015	8/10/2015	8/9/2015	8/10/2015	8/10/2015
	Review Status	Preliminary	Preliminary	Preliminary	Preliminary	Preliminary

Agriculture

	--	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
100	--	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U
	--	60	57	59	57	60
100	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
10	--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
100	--	< 1 U	< 1 U	< 1 U	< 1 U	1.3 J
	--	< 0.12 U	< 0.12 U	< 0.12 U	0.13 J	0.13 J
200	--	1.9	2.3	1.8	3.4	2.2
100	--	0.18 J	0.15 J	0.076 J	0.12 J	0.46
200	--	9.3	16	8.9	13	15
	--	1.1	1.2	1	1.1	1.3
200	--	0.99 J	0.97 J	1.2	2.9	1.2
20	--	1.3 J B	< 0.58 U	1 J B	< 0.58 U	< 0.58 U
	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
	--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
	--	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U
	--	29	3.2 J	9.1 J	3.3 J	6.7 J

	--	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
	--	1.3	0.69 J	1.3	0.81 J	< 0.37 U
	--	70	64	70	65	62
	--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
	--	0.19	< 0.043 U	0.14	0.078 J	0.1
	--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
	--	0.42	0.28 J	0.39 J	0.26 J	0.23 J

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Nickel, Total	7440-02-0	ug/L								--	
Selenium, Total	7782-49-2	ug/L								--	
Silver, Total	7440-22-4	ug/L								--	
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Sample ID	ADW-010-150809-11	ADW-010-150810-11	ADW-021-150809-11	ADW-021-150810-11	ADW-021-150810-12	ADW-022-150809-11
Date	8/9/2015	8/10/2015	8/9/2015	8/10/2015	8/10/2015	8/9/2015
Review Status	Preliminary	Preliminary	Preliminary	Preliminary	Preliminary	Preliminary
--	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
--	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U	< 0.37 U
--	60	57	59	57	60	61
--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
--	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U	< 0.043 U
--	< 1 U	< 1 U	< 1 U	< 1 U	1.3 J	< 1 U
--	< 0.12 U	< 0.12 U	< 0.12 U	0.13 J	0.13 J	< 0.12 U
--	1.9	2.3	1.8	3.4	2.2	2
--	0.18 J	0.15 J	0.076 J	0.12 J	0.46	0.33
--	9.3	16	8.9	13	15	14
--	1.1	1.2	1	1.1	1.3	0.98 J
--	0.99 J	0.97 J	1.2	2.9	1.2	1.2
--	1.3 J B	< 0.58 U	1 J B	< 0.58 U	< 0.58 U	1 J B
--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
--	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U	< 0.1 U
--	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U	< 0.3 U
--	29	3.2 J	9.1 J	3.3 J	6.7 J	5.9 J
--	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U
--	1.3	0.69 J	1.3	0.81 J	< 0.37 U	1.7
--	70	64	70	65	62	71
--	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U	< 0.15 U
--	0.19	< 0.043 U	0.14	0.078 J	0.1	0.18
--	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
--	0.42	0.28 J	0.39 J	0.26 J	0.23 J	0.44

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	--
Lead, Total	7439-92-1	ug/L								--	--
Manganese, Total	7439-96-5	ug/L								--	--
Molybdenum, Total	7439-98-7	ug/L								--	--
Nickel, Total	7440-02-0	ug/L								--	--
Selenium, Total	7782-49-2	ug/L								--	--
Silver, Total	7440-22-4	ug/L								--	--
Thallium, Total	7440-28-0	ug/L								--	--
Vanadium, Total	7440-62-2	ug/L								--	--
Zinc, Total	7440-66-6	ug/L								--	--

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	ADW-010
Analyte	CAS.NO	Units								Sample ID	ADW-010-150809-11
										Date	8/9/2015
										Review Status	Preliminary
Drinking Water MCL Recreatio nal RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	60
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	1.9
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.18 J
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	9.3
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.1
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	0.99 J
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	1.3 J B
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	29
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	1.3
Barium, Total	7440-39-3	ug/L								--	70
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.19
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.42

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Copper, Total	7440-50-8	ug/L								--	9.2
Lead, Total	7439-92-1	ug/L								--	14
Manganese, Total	7439-96-5	ug/L								--	120
Molybdenum, Total	7439-98-7	ug/L								--	0.86 J
Nickel, Total	7440-02-0	ug/L								--	1
Selenium, Total	7782-49-2	ug/L								--	1.2 J B
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	1.6
Zinc, Total	7440-66-6	ug/L								--	63

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	ADW-010
Analyte	CAS.NO	Units								Sample ID	ADW-010-150810-11
										Date	8/10/2015
										Review Status	Preliminary
Drinking Water MCL Recreational RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	57
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	2.3
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.15 J
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	16
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.2
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	0.97 J
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	3.2 J
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	0.69 J
Barium, Total	7440-39-3	ug/L								--	64
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	< 0.043 U
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.28 J

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Copper, Total	7440-50-8	ug/L								--	5.3
Lead, Total	7439-92-1	ug/L								--	9.3
Manganese, Total	7439-96-5	ug/L								--	70
Molybdenum, Total	7439-98-7	ug/L								--	1.2
Nickel, Total	7440-02-0	ug/L								--	1.2
Selenium, Total	7782-49-2	ug/L								--	< 0.58 U
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	0.91 J
Zinc, Total	7440-66-6	ug/L								--	30

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

										Location	ADW-021
Analyte	CAS.NO	Units								Sample ID	ADW-021-150809-11
										Date	8/9/2015
										Review Status	Preliminary
Drinking Water MCL Recreatio nal RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	59
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	1.8
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.076 J
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	8.9
Molybdenum, Dissolved	7439-98-7	ug/L								--	1
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	1.2
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	1 J B
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	9.1 J
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	1.3
Barium, Total	7440-39-3	ug/L								--	70
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.14
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.39 J

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	8.6
Lead, Total	7439-92-1	ug/L								--	14
Manganese, Total	7439-96-5	ug/L								--	110
Molybdenum, Total	7439-98-7	ug/L								--	0.91 J
Nickel, Total	7440-02-0	ug/L								--	1
Selenium, Total	7782-49-2	ug/L								--	1 J B
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	1.4
Zinc, Total	7440-66-6	ug/L								--	60

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	ADW-021
Analyte	CAS.NO	Units								Sample ID	ADW-021-150810-11
										Date	8/10/2015
										Review Status	Preliminary
Drinking Water MCL Recreational RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	57
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	0.13 J
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	3.4
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.12 J
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	13
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.1
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	2.9
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	3.3 J
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	0.81 J
Barium, Total	7440-39-3	ug/L								--	65
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.078 J
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.26 J

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	5.3
Lead, Total	7439-92-1	ug/L								--	9.8
Manganese, Total	7439-96-5	ug/L								--	63
Molybdenum, Total	7439-98-7	ug/L								--	1.1
Nickel, Total	7440-02-0	ug/L								--	1
Selenium, Total	7782-49-2	ug/L								--	< 0.58 U
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	0.9 J
Zinc, Total	7440-66-6	ug/L								--	29

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	ADW-021
Analyte	CAS.NO	Units								Sample ID	ADW-021-150810-12
										Date	8/10/2015
										Review Status	Preliminary
Drinking Water MCL Recreational RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	60
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	1.3 J
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	0.13 J
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	2.2
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.46
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	15
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.3
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	1.2
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	6.7 J
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	< 0.37 U
Barium, Total	7440-39-3	ug/L								--	62
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.1
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.23 J

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	4.8
Lead, Total	7439-92-1	ug/L								--	8.3
Manganese, Total	7439-96-5	ug/L								--	52
Molybdenum, Total	7439-98-7	ug/L								--	1.1
Nickel, Total	7440-02-0	ug/L								--	0.93 J
Selenium, Total	7782-49-2	ug/L								--	< 0.58 U
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	0.76 J
Zinc, Total	7440-66-6	ug/L								--	26

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	ADW-021
Analyte	CAS.NO	Units								Sample ID	ADW-022-150809-11
										Date	8/9/2015
										Review Status	Preliminary
Drinking Water MCL Recreatio nal RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	61
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	2
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.33
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	14
Molybdenum, Dissolved	7439-98-7	ug/L								--	0.98 J
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	1.2
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	1 J B
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	5.9 J
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	1.7
Barium, Total	7440-39-3	ug/L								--	71
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.18
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.44

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Copper, Total	7440-50-8	ug/L								--	10
Lead, Total	7439-92-1	ug/L								--	34
Manganese, Total	7439-96-5	ug/L								--	98
Molybdenum, Total	7439-98-7	ug/L								--	1.2
Nickel, Total	7440-02-0	ug/L								--	1.1
Selenium, Total	7782-49-2	ug/L								--	1.1 J B
Silver, Total	7440-22-4	ug/L								--	0.21 J
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	1.9
Zinc, Total	7440-66-6	ug/L								--	58

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	ADW-021
Analyte	CAS.NO	Units								Sample ID	ADW-022-150810-11
										Date	8/10/2015
										Review Status	Preliminary
Drinking Water MCL Recreatio nal RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	62
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	0.12 J
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	3.3
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.15 J
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	14
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.1
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	1.4
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	2.9 J
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	0.42 J
Barium, Total	7440-39-3	ug/L								--	65
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.059 J
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.24 J

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Copper, Total	7440-50-8	ug/L								--	4.8
Lead, Total	7439-92-1	ug/L								--	8.5
Manganese, Total	7439-96-5	ug/L								--	53
Molybdenum, Total	7439-98-7	ug/L								--	1
Nickel, Total	7440-02-0	ug/L								--	0.92 J
Selenium, Total	7782-49-2	ug/L								--	< 0.58 U
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	0.65 J
Zinc, Total	7440-66-6	ug/L								--	27

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	FW-012
Analyte	CAS.NO	Units								Sample ID	FW-012-150809-11
										Date	8/9/2015
										Review Status	Preliminary
Drinking Water MCL Recreational RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	62
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	2.1
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.84
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	13
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.2
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	0.87 J
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	1.4 J B
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	15 J
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	0.45 J
Arsenic, Total	7440-38-2	ug/L								--	2.2
Barium, Total	7440-39-3	ug/L								--	80
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.11
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.62

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	12
Lead, Total	7439-92-1	ug/L								--	41
Manganese, Total	7439-96-5	ug/L								--	120
Molybdenum, Total	7439-98-7	ug/L								--	1.6
Nickel, Total	7440-02-0	ug/L								--	1.4
Selenium, Total	7782-49-2	ug/L								--	1.9 J B
Silver, Total	7440-22-4	ug/L								--	0.27 J
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	2.6
Zinc, Total	7440-66-6	ug/L								--	63

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	FW-012
Analyte	CAS.NO	Units								Sample ID	FW-012-150810-11
										Date	8/10/2015
										Review Status	Preliminary
Drinking Water MCL Recreational RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	58
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	0.043 J
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	2.4
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.073 J
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	12
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.2
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	0.8 J
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	< 2.8 U
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	0.84 J
Barium, Total	7440-39-3	ug/L								--	66
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.068 J
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.31 J

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	5.4
Lead, Total	7439-92-1	ug/L								--	9.7
Manganese, Total	7439-96-5	ug/L								--	75
Molybdenum, Total	7439-98-7	ug/L								--	1.1
Nickel, Total	7440-02-0	ug/L								--	1.3
Selenium, Total	7782-49-2	ug/L								--	< 0.58 U
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	1
Zinc, Total	7440-66-6	ug/L								--	30

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	FW-040
Analyte	CAS.NO	Units								Sample ID	FW-040-150809-11
										Date	8/9/2015
										Review Status	Preliminary
Drinking Water MCL Recreational RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	66
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	0.12 J
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	4.3
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.19 J
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	6.6
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.2
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	2.3
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	1.4 J B
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	86
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	1.6
Barium, Total	7440-39-3	ug/L								--	80
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.19
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.58

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	10
Lead, Total	7439-92-1	ug/L								--	14
Manganese, Total	7439-96-5	ug/L								--	160
Molybdenum, Total	7439-98-7	ug/L								--	0.93 J
Nickel, Total	7440-02-0	ug/L								--	1.2
Selenium, Total	7782-49-2	ug/L								--	1.3 J B
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	1.8
Zinc, Total	7440-66-6	ug/L								--	71

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

										Location	FW-040
Analyte	CAS.NO	Units								Sample ID	FW-040-150810-11
										Date	8/10/2015
										Review Status	Preliminary
Drinking Water MCL Recreational RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	60
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	0.13 J
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	2.6
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	1.5
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	13
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.2
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	0.96 J
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	4.8 J
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	< 0.37 U
Barium, Total	7440-39-3	ug/L								--	70
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.066 J
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.34 J

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	5.9
Lead, Total	7439-92-1	ug/L								--	11
Manganese, Total	7439-96-5	ug/L								--	79
Molybdenum, Total	7439-98-7	ug/L								--	1.2
Nickel, Total	7440-02-0	ug/L								--	1.1
Selenium, Total	7782-49-2	ug/L								--	< 0.58 U
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	1
Zinc, Total	7440-66-6	ug/L								--	32

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	LVW-020
Analyte	CAS.NO	Units								Sample ID	LVW-020-150809-11
										Date	8/9/2015
										Review Status	Preliminary
Drinking Water MCL Recreatio nal RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	0.78 J
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	73
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	0.13 J
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	1.7
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.085 J
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	3.9
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.5
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	1.3
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	1.4 J B
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	0.6 J
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	66
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	2.4
Barium, Total	7440-39-3	ug/L								--	170
Beryllium, Total	7440-41-7	ug/L								--	0.65
Cadmium, Total	7440-43-9	ug/L								--	0.15
Chromium, Total	7440-47-3	ug/L								--	1.3 J
Cobalt, Total	7440-48-4	ug/L								--	3.2

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	12
Lead, Total	7439-92-1	ug/L								--	11
Manganese, Total	7439-96-5	ug/L								--	340
Molybdenum, Total	7439-98-7	ug/L								--	0.7 J
Nickel, Total	7440-02-0	ug/L								--	3.4
Selenium, Total	7782-49-2	ug/L								--	1.2 J B
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	6.8
Zinc, Total	7440-66-6	ug/L								--	45

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	LVW-020
Analyte	CAS.NO	Units								Sample ID	LVW-020-150810-11
										Date	8/10/2015
										Review Status	Preliminary
Drinking Water MCL Recreatio nal RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	0.48 J
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	68
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	0.12 J
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	2.4
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.11 J
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	6.7
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.3
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	1.5
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	0.48 J
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	2.8 J
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	1.3
Barium, Total	7440-39-3	ug/L								--	120
Beryllium, Total	7440-41-7	ug/L								--	0.29 J
Cadmium, Total	7440-43-9	ug/L								--	0.057 J
Chromium, Total	7440-47-3	ug/L								--	2.1
Cobalt, Total	7440-48-4	ug/L								--	1.6

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	6.2
Lead, Total	7439-92-1	ug/L								--	6.5
Manganese, Total	7439-96-5	ug/L								--	140
Molybdenum, Total	7439-98-7	ug/L								--	1.1
Nickel, Total	7440-02-0	ug/L								--	2.3
Selenium, Total	7782-49-2	ug/L								--	< 0.58 U
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	5.3
Zinc, Total	7440-66-6	ug/L								--	20

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	LVW-030
Analyte	CAS.NO	Units								Sample ID	LVW-030-150809-11
										Date	8/9/2015
										Review Status	Preliminary
Drinking Water MCL Recreatio nal RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	0.49 J
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	82
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	0.37 J
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	2.4
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	1.1
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	23
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.3
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	1.6
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	1.5 J B
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	1.4
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	48
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	2.6
Barium, Total	7440-39-3	ug/L								--	200
Beryllium, Total	7440-41-7	ug/L								--	0.94
Cadmium, Total	7440-43-9	ug/L								--	0.19
Chromium, Total	7440-47-3	ug/L								--	2.2
Cobalt, Total	7440-48-4	ug/L								--	4.5

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	15
Lead, Total	7439-92-1	ug/L								--	13
Manganese, Total	7439-96-5	ug/L								--	470
Molybdenum, Total	7439-98-7	ug/L								--	0.58 J
Nickel, Total	7440-02-0	ug/L								--	4.4
Selenium, Total	7782-49-2	ug/L								--	0.95 J B
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	9.6
Zinc, Total	7440-66-6	ug/L								--	49

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	LVW-030
Analyte	CAS.NO	Units								Sample ID	LVW-030-150810-11
										Date	8/10/2015
										Review Status	Preliminary
Drinking Water MCL Recreational RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	0.53 J
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	70
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	0.12 J
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	2.3
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.069 J
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	6.7
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.3
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	1.3
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	0.91 J
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	< 2.8 U
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	1.7
Barium, Total	7440-39-3	ug/L								--	140
Beryllium, Total	7440-41-7	ug/L								--	0.36 J
Cadmium, Total	7440-43-9	ug/L								--	0.049 J
Chromium, Total	7440-47-3	ug/L								--	2.6
Cobalt, Total	7440-48-4	ug/L								--	2.1

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	7.3
Lead, Total	7439-92-1	ug/L								--	7.9
Manganese, Total	7439-96-5	ug/L								--	190
Molybdenum, Total	7439-98-7	ug/L								--	1.1
Nickel, Total	7440-02-0	ug/L								--	2.8
Selenium, Total	7782-49-2	ug/L								--	< 0.58 U
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	7.2
Zinc, Total	7440-66-6	ug/L								--	25

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	MW-020
Analyte	CAS.NO	Units								Sample ID	MW-020-150809-11
										Date	8/9/2015
										Review Status	Preliminary
Drinking Water MCL Recreatio nal RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	63
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	2.1
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.13 J
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	11
Molybdenum, Dissolved	7439-98-7	ug/L								--	2.1
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	1.1
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	1.8 J B
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	25
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	1.6
Barium, Total	7440-39-3	ug/L								--	76
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.12
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.47

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	9.5
Lead, Total	7439-92-1	ug/L								--	15
Manganese, Total	7439-96-5	ug/L								--	130
Molybdenum, Total	7439-98-7	ug/L								--	0.98 J
Nickel, Total	7440-02-0	ug/L								--	1.3
Selenium, Total	7782-49-2	ug/L								--	2 B
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	1.6
Zinc, Total	7440-66-6	ug/L								--	63

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	MW-020
Analyte	CAS.NO	Units								Sample ID	MW-020-150810-11
										Date	8/10/2015
										Review Status	Preliminary
Drinking Water MCL Recreatio nal RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	60
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	0.12 J
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	2.2
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.31
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	14
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.2
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	1.3
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	3.1 J
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	0.66 J
Barium, Total	7440-39-3	ug/L								--	69
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.12
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.36 J

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

Copper, Total	7440-50-8	ug/L								--	6.1
Lead, Total	7439-92-1	ug/L								--	12
Manganese, Total	7439-96-5	ug/L								--	86
Molybdenum, Total	7439-98-7	ug/L								--	1.2
Nickel, Total	7440-02-0	ug/L								--	1.1
Selenium, Total	7782-49-2	ug/L								--	< 0.58 U
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	0.98 J
Zinc, Total	7440-66-6	ug/L								--	36

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	NSW-020
Analyte	CAS.NO	Units								Sample ID	NSW-020-150809-11
										Date	8/9/2015
										Review Status	Preliminary
Drinking Water MCL Recreatio nal RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	60
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	< 0.12 U
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	2.3
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.38
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	10
Molybdenum, Dissolved	7439-98-7	ug/L								--	0.96 J
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	1.1
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	1.4 J B
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	12 J
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	0.41 J
Arsenic, Total	7440-38-2	ug/L								--	2
Barium, Total	7440-39-3	ug/L								--	73
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.13
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.6

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	11
Lead, Total	7439-92-1	ug/L								--	37
Manganese, Total	7439-96-5	ug/L								--	110
Molybdenum, Total	7439-98-7	ug/L								--	1.3
Nickel, Total	7440-02-0	ug/L								--	1.1
Selenium, Total	7782-49-2	ug/L								--	1.5 J B
Silver, Total	7440-22-4	ug/L								--	0.27 J
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	2.2
Zinc, Total	7440-66-6	ug/L								--	63

Bold - Bolded results identify a detected value.

J - Data Estimated qualifier (also applied to all data less than PQL, greater than or equal to MDL)

MDL - Method Detection Limit

PQL - Practical Quantitation Limit, also known as reporting limit.

U - Analyte not detected at or above MDL qualifier

D - Diluted value qualifier.

mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg

Table 1
Surfacewater Analytical Data - Region 6
Upper Animas River

										Location	NSW-020
Analyte	CAS.NO	Units								Sample ID	NSW-020-150810-11
										Date	8/10/2015
										Review Status	Preliminary
Drinking Water MCL Recreatio nal RSL Aquatic Acute Aquatic Chronic Irrigation Livestock Agriculture											
Metals, Dissolved											
Antimony, Dissolved	7440-36-0	ug/L		129	8358	3348	5000			--	< 0.4 U
Arsenic, Dissolved	7440-38-2	ug/L	10	2.15					100	--	< 0.37 U
Barium, Dissolved	7440-39-3	ug/L	2000	34900						--	60
Beryllium, Dissolved	7440-41-7	ug/L	4	100	340	150	100	100	100	--	< 0.15 U
Cadmium, Dissolved	7440-43-9	ug/L	5	65	2.88	0.72	10	50	10	--	< 0.043 U
Chromium, Dissolved	7440-47-3	ug/L	100		972	126	100	1000	100	--	< 1 U
Cobalt, Dissolved	7440-48-4	ug/L	3130	3130		50	1000			--	0.3 J
Copper, Dissolved	7440-50-8	ug/L	1300	8580	25	16	200	500	200	--	2.7
Lead, Dissolved	7439-92-1	ug/L	15		130	5	5000	100	100	--	0.32
Manganese, Dissolved	7439-96-5	ug/L		2550	3710	2050	200		200	--	12
Molybdenum, Dissolved	7439-98-7	ug/L								--	1.1
Nickel, Dissolved	7440-02-0	ug/L		7870	813	90	200	1000	200	--	1.2
Selenium, Dissolved	7782-49-2	ug/L	50	4290	20	5	130	250	20	--	< 0.58 U
Silver, Dissolved	7440-22-4	ug/L		837	9.9	n/a				--	< 0.1 U
Thallium, Dissolved	7440-28-0	ug/L	2	34.3						--	< 0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		712			100	100		--	< 0.3 U
Zinc, Dissolved	7440-66-6	ug/L		292000	290	219	2000	25000		--	4.3 J
Metals, Total											
Antimony, Total	7440-36-0	ug/L								--	< 0.4 U
Arsenic, Total	7440-38-2	ug/L								--	< 0.37 U
Barium, Total	7440-39-3	ug/L								--	64
Beryllium, Total	7440-41-7	ug/L								--	< 0.15 U
Cadmium, Total	7440-43-9	ug/L								--	0.073 J
Chromium, Total	7440-47-3	ug/L								--	< 1 U
Cobalt, Total	7440-48-4	ug/L								--	0.22 J

Table 1
 Surfacewater Analytical Data - Region 6
 Upper Animas River

Copper, Total	7440-50-8	ug/L								--	4.7
Lead, Total	7439-92-1	ug/L								--	8.6
Manganese, Total	7439-96-5	ug/L								--	45
Molybdenum, Total	7439-98-7	ug/L								--	1
Nickel, Total	7440-02-0	ug/L								--	0.98 J
Selenium, Total	7782-49-2	ug/L								--	< 0.58 U
Silver, Total	7440-22-4	ug/L								--	< 0.1 U
Thallium, Total	7440-28-0	ug/L								--	< 0.1 U
Vanadium, Total	7440-62-2	ug/L								--	0.74 J
Zinc, Total	7440-66-6	ug/L								--	24

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mg/L - Parts per million (milligrams per liter). Solids equivalent = mg/Kg.

ug/L - Parts per billion (micrograms per liter). Solids equivalent = ug/Kg